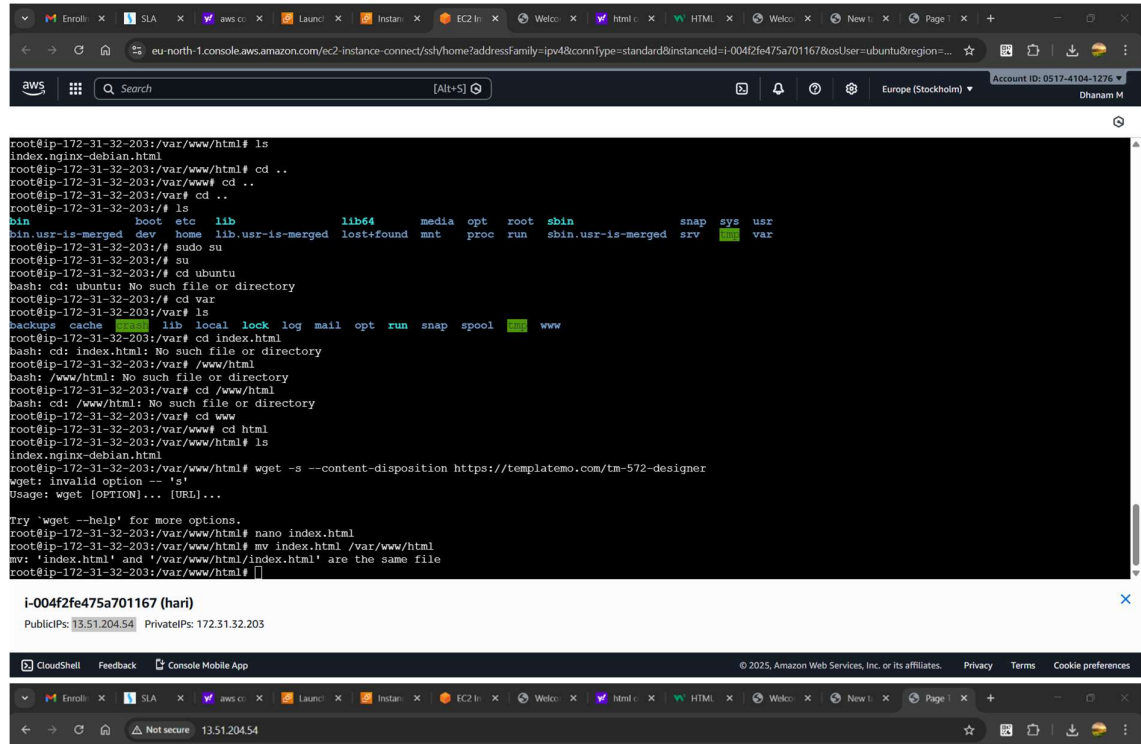


WEB HOSTING IN LINUX

WEB HOSTING IN UBUNTU:

- Using “nano index.html” command to edit the file to insert sample code of html “mv index.html /var/www/html” command to use move the file.



The screenshot displays the AWS CloudShell interface within a web browser. The terminal window shows a series of commands executed in an Ubuntu environment. The user starts by listing files in /var/www/html, then attempts to navigate to /var/www/html using 'cd' and 'cd /var/www/html'. They then attempt to use 'mv index.html /var/www/html' but receive an error stating that the source and destination are the same file. The user then attempts to use 'wget' to download a sample HTML file from a URL, but receives an error stating 'Usage: wget [OPTION]... [URL]...'. The browser window shows the URL 'eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-004f2fe475a701167&osUser=ubuntu®ion=...' and the account ID '0517-4104-1276'. Below the terminal window, the instance ID 'i-004f2fe475a701167 (hari)' is displayed, along with public and private IP addresses. The browser window also shows the 'CloudShell' tab and the 'Console Mobile App' link.

```
root@ip-172-31-32-203:/var/www/html# ls
index.nginx-debian.html
root@ip-172-31-32-203:/var/www/html# cd ..
root@ip-172-31-32-203:/var/www# cd ..
root@ip-172-31-32-203:/var# cd ..
root@ip-172-31-32-203:/# ls
bin      boot    etc     lib     lib64   media  opt     root   /sbin  usr
bin.usr-is-merged  dev     home   lib.usr-is-merged  lost+found  mnt     proc   run    sbin.usr-is-merged  srv     snap   sys     usr
root@ip-172-31-32-203:/# su
root@ip-172-31-32-203:/# cd ubuntu
bash: cd: ubuntu: No such file or directory
root@ip-172-31-32-203:/# cd var
root@ip-172-31-32-203:/var# ls
backups  cache  lib  local  lock  log  mail  opt  run  snap  spool  www
root@ip-172-31-32-203:/var# cd index.html
bash: cd: index.html: No such file or directory
root@ip-172-31-32-203:/var# cd /var/www/html
bash: /var/www/html: No such file or directory
root@ip-172-31-32-203:/var# cd /var/www/html
bash: cd: /var/www/html: No such file or directory
root@ip-172-31-32-203:/var# cd www
root@ip-172-31-32-203:/var/www# cd html
root@ip-172-31-32-203:/var/www/html# ls
index.nginx-debian.html
root@ip-172-31-32-203:/var/www/html# mv index.html /var/www/html
mv: 'index.html' and '/var/www/html/index.html' are the same file
root@ip-172-31-32-203:/var/www/html#
```

i-004f2fe475a701167 (hari)
PublicIPs: 13.51.204.54 PrivateIPs: 172.31.32.203

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

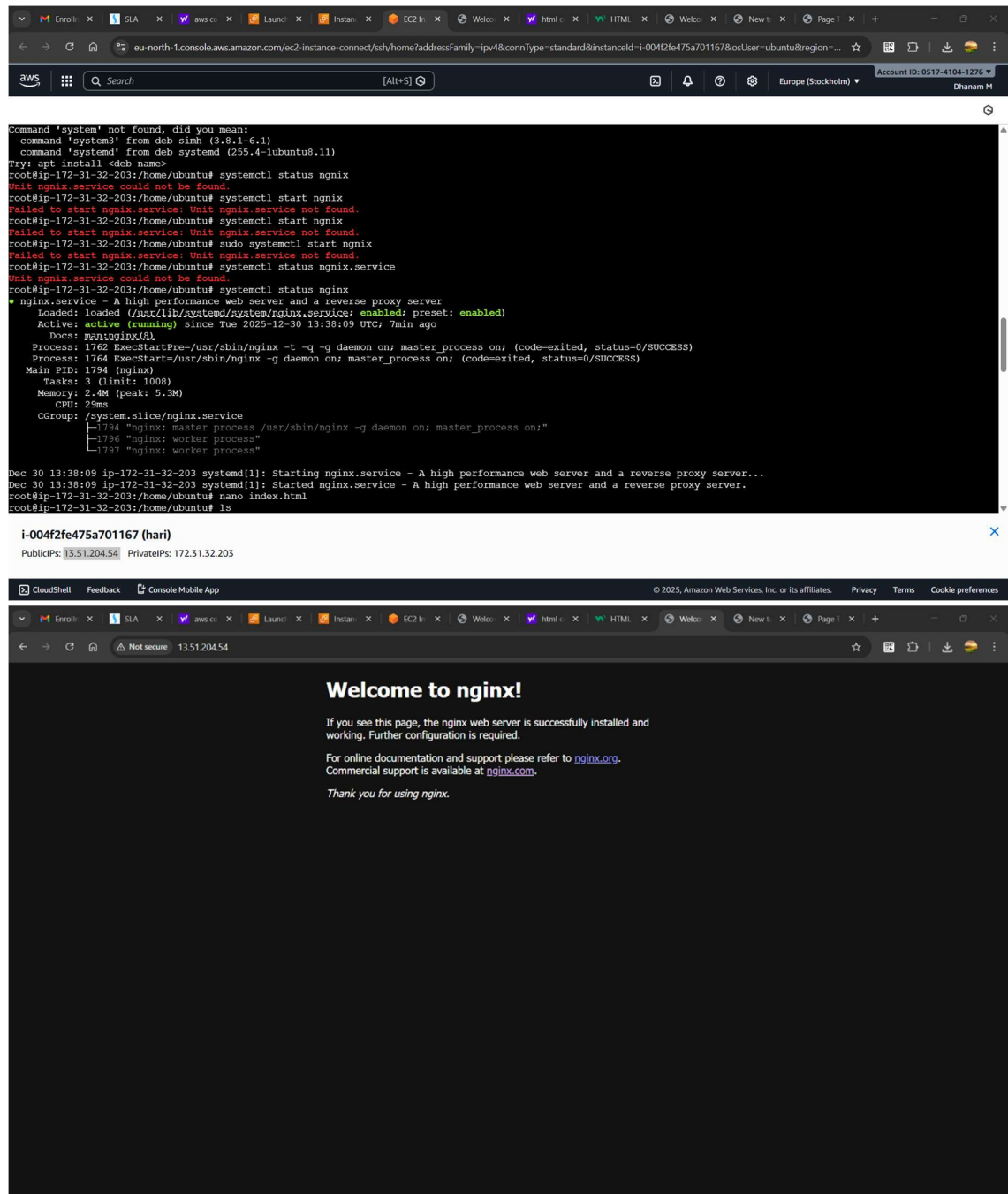
Enroll x SIA x aws c x Launch x Instan x EC2 In x Welco x html x HTML x Welco x New l x Page x +

Not secure 13.51.204.54

This is a Heading

This is a paragraph.

- Using “apt install nginx” command to install nginx “systemctl status nginx” command to check status is inactive “systemctl start nginx” command to activate it.



WEB HOSTING IN LINUX:

- Using “yum install httpd -y” command to install httpd and check with an public ip address.

Instance details | EC2 | eu-north-1 | EC2 Instance Connect | eu-north-1

eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=eu-north-1&connType=standard&instanceId=i-04d245bfd89664e4f&osUser=ec2-user&sshPort=22

Search [Alt+S]

Europe (Stockholm) Account ID: 0517-4104-1276 Dhanam M

```
[ec2-user@ip-172-31-37-2 ~]$ sudo su
[root@ip-172-31-37-2 ec2-user]# yum update httpd -y
Amazon Linux 2023 kernel Livepatch repository
Package httpd available, but not installed.
No match for argument: httpd
Error: No packages marked for upgrade.
[root@ip-172-31-37-2 ec2-user]# yum install httpd -y
Last metadata expiration check: 0:00:23 ago on Tue Dec 30 16:37:12 2025.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
-----
Installing:
httpd                                  x86_64            2.4.65-1.amzn2023.0.2  amazonlinux      47 k
Installing dependencies:
apr                                    x86_64            1.7.5-1.amzn2023.0.4  amazonlinux      129 k
apr-util                              x86_64            1.6.3-1.amzn2023.0.2  amazonlinux      97 k
apr-util-ldap                         x86_64            1.6.3-1.amzn2023.0.2  amazonlinux      13 k
generic-logos-httpd                  noarch            18.0.0-12.amzn2023.0.3  amazonlinux      19 k
httpd-core                            x86_64            2.4.65-1.amzn2023.0.2  amazonlinux      1.4 M
httpd-filesystem                     noarch            2.4.65-1.amzn2023.0.2  amazonlinux      13 k
httpd-tools                           x86_64            2.4.65-1.amzn2023.0.2  amazonlinux      81 k
libbrotli                             x86_64            1.0.9-4.amzn2023.0.2  amazonlinux      315 k
mailcap                               noarch            2.1.49-3.amzn2023.0.3  amazonlinux      33 k
Installing weak dependencies:
apr-util-openssl                      x86_64            1.6.3-1.amzn2023.0.2  amazonlinux      15 k
mod_http2                             x86_64            2.0.27-1.amzn2023.0.3  amazonlinux      166 k
mod_lua                               x86_64            2.4.65-1.amzn2023.0.2  amazonlinux      60 k
=====
Transaction Summary
=====
```

i-04d245bfd89664e4f (hari)

PublicIPs: 16.171.31.5 PrivateIPs: 172.31.37.2

CloudShell Feedback Console Mobile App

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13:203.205.1

Not secure 13.203.205.1

Incognito

It works!

- Using “systemctl status httpd” command to check status inactive
“systemctl start httpd” command to start activate it.

The screenshot shows the AWS CloudShell interface with a terminal window. The terminal output displays the installation of various packages including apr, apr-util, openssl, coreutils, libbrotli, mod_lua, generic-logos-httpd, httpd-filestream, mailcap, and httpd-tools. It then shows the status of the httpd service, which is currently disabled. The user runs 'systemctl start httpd' and 'systemctl status httpd', showing that the service is now active and running. The status output includes details like Main PID, Status, Tasks, Memory, CPU, and CGroup. Below the terminal output, the instance details for 'i-067aa27ef9ce7adf6 (haran)' are shown, including PublicIPs and PrivateIPs.

```
Complete!  
[root@ip-172-31-32-240 ec2-user]# systemctl status httpd  
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)  
   Active: inactive (dead)  
     Docs: man:httpd.service(8)  
[root@ip-172-31-32-240 ec2-user]# systemctl start httpd  
[root@ip-172-31-32-240 ec2-user]# systemctl status httpd  
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)  
   Active: active (running) since Tue 2025-12-30 16:53:54 UTC; 22s ago  
     Docs: man:httpd.service(8)  
  Main PID: 25852 (httpd)  
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"  
    Tasks: 177 (limit: 1067)  
  Memory: 13.3M  
     CPU: 75ms  
   CGroup: /system.slice/httpd.service  
           └─25852 /usr/sbin/httpd -DFOREGROUND  
             └─25853 /usr/sbin/httpd -DFOREGROUND  
               └─25854 /usr/sbin/httpd -DFOREGROUND  
                 └─25855 /usr/sbin/httpd -DFOREGROUND  
                   └─25856 /usr/sbin/httpd -DFOREGROUND  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal httpd[25852]: Server configured, listening on: port 80  
[root@ip-172-31-32-240 ec2-user]#
```

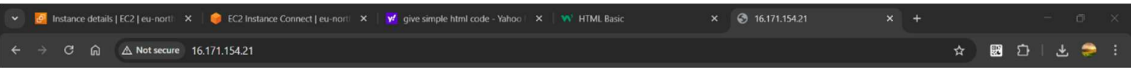
i-067aa27ef9ce7adf6 (haran)
PublicIPs: 16.171.154.21 PrivateIPs: 172.31.32.240

- Using “nano index.html” command to edit the file “mv index.html /var/www/html/index.html” command to use move from it.

The screenshot shows the AWS CloudShell interface with a terminal window. The terminal output shows the status of the httpd service, which is active and running. The user runs 'ls' and 'cat index.html', showing the contents of the index.html file. The user then runs 'mv index.html /var/www/html/index.html' to move the file to the web root directory. Below the terminal output, the instance details for 'i-067aa27ef9ce7adf6 (haran)' are shown, including PublicIPs and PrivateIPs.

```
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)  
   Active: active (running) since Tue 2025-12-30 16:53:54 UTC; 22s ago  
     Docs: man:httpd.service(8)  
  Main PID: 25852 (httpd)  
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"  
    Tasks: 177 (limit: 1067)  
  Memory: 13.3M  
     CPU: 75ms  
   CGroup: /system.slice/httpd.service  
           └─25852 /usr/sbin/httpd -DFOREGROUND  
             └─25853 /usr/sbin/httpd -DFOREGROUND  
               └─25854 /usr/sbin/httpd -DFOREGROUND  
                 └─25855 /usr/sbin/httpd -DFOREGROUND  
                   └─25856 /usr/sbin/httpd -DFOREGROUND  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.  
Dec 30 16:53:54 ip-172-31-32-240.eu-north-1.compute.internal httpd[25852]: Server configured, listening on: port 80  
[root@ip-172-31-32-240 ec2-user]# ls  
index.html  
[root@ip-172-31-32-240 ec2-user]# cat index.html  
<!DOCTYPE html>  
<html>  
<body>  
  
<h1>My First Heading</h1>  
<p>My first paragraph.</p>  
  
</body>  
</html>  
[root@ip-172-31-32-240 ec2-user]# mv index.html /var/www/html/index.html  
[root@ip-172-31-32-240 ec2-user]#
```

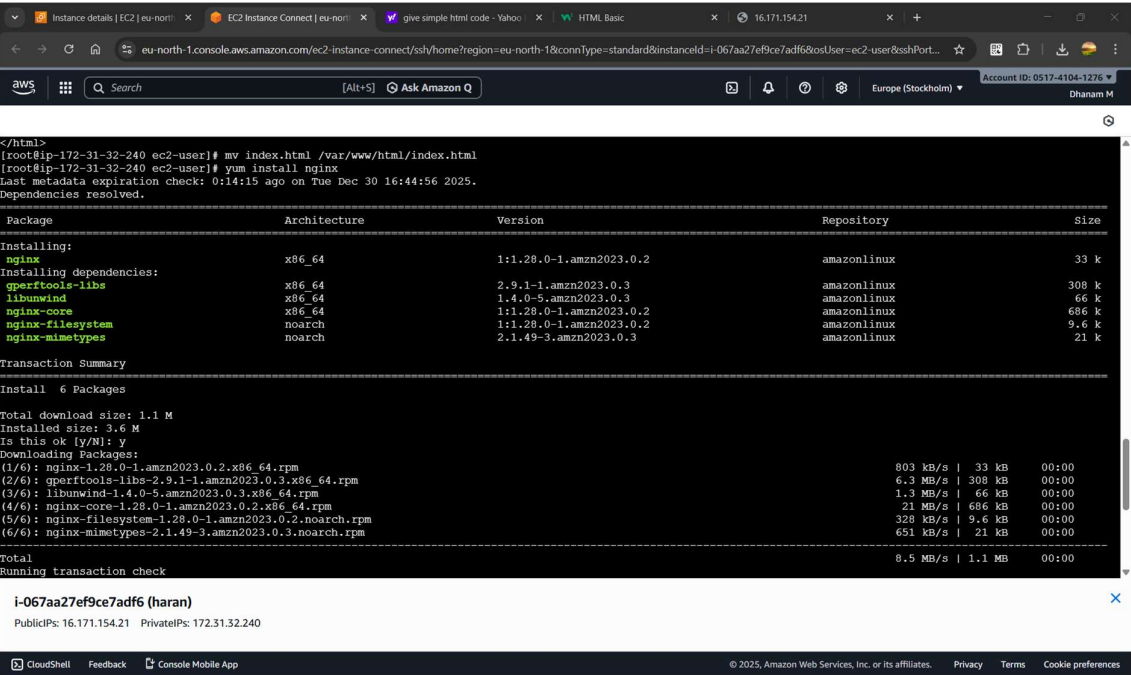
i-067aa27ef9ce7adf6 (haran)
PublicIPs: 16.171.154.21 PrivateIPs: 172.31.32.240

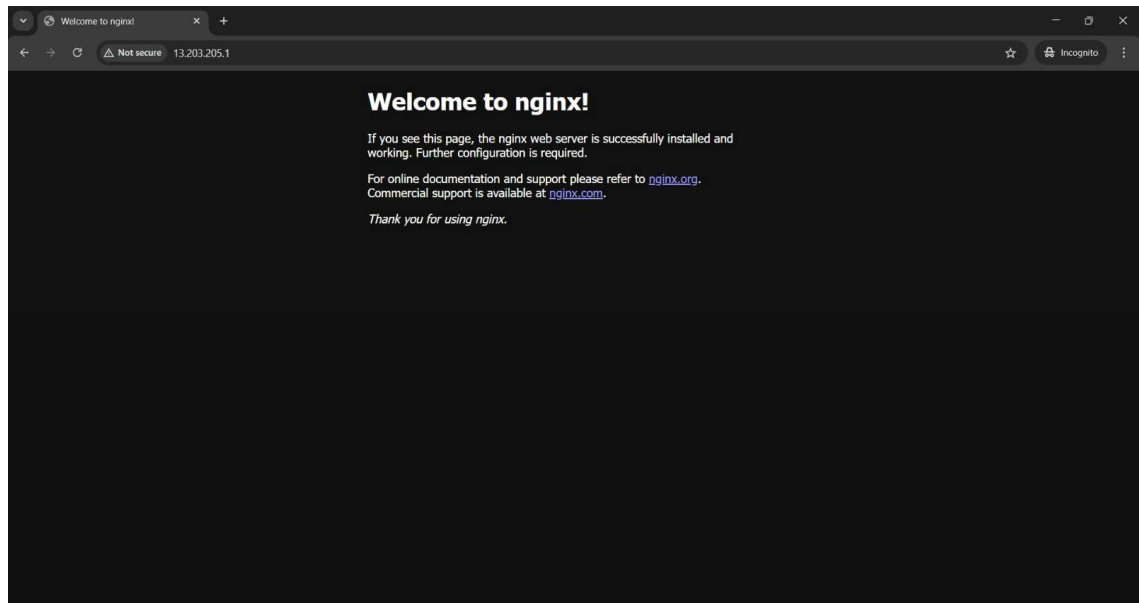


My First Heading

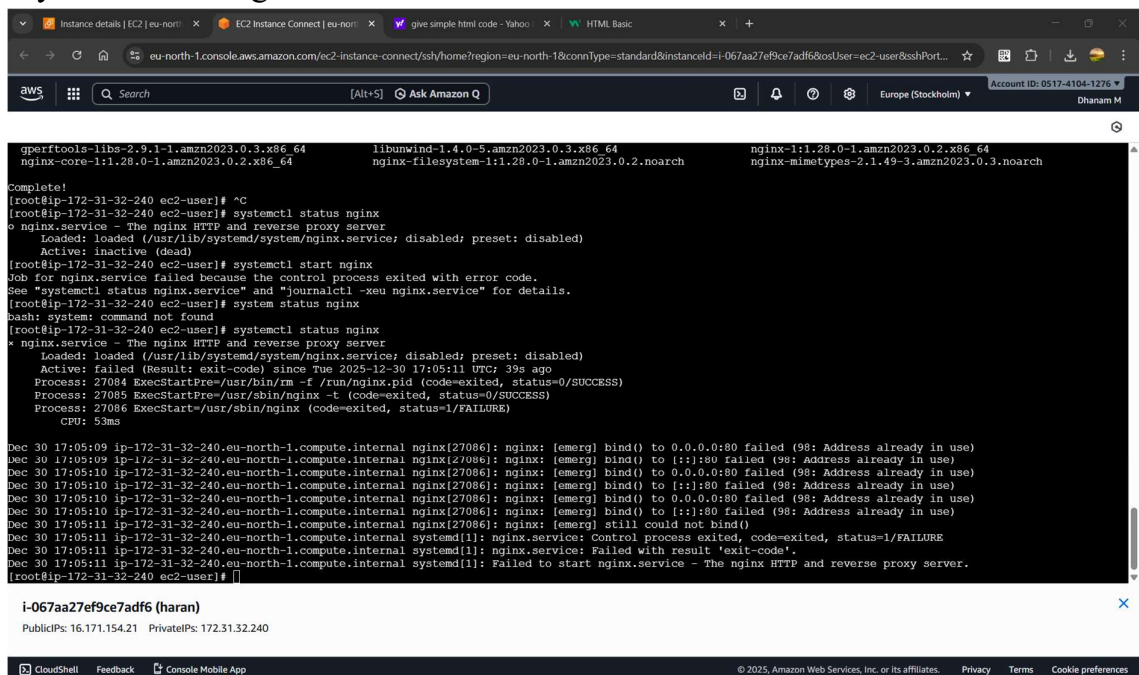
My first paragraph.

- Using “yum install nginx” command to install nginx and check with an public ip address.





- Using “systemctl status nginx” command to check status inactive
“systemctl start nginx” command to activate it.



- Using “nano index.html” command to edit the file “mv index.html /usr/share/nginx/html/index.html” command to use move it.

The screenshot shows a terminal window within the AWS Management Console. The user is logged in as 'ec2-user' on an EC2 instance. The terminal output shows the following commands and results:

```
[root@ip-172-31-32-240 ec2-user]# ^C
[root@ip-172-31-32-240 ec2-user]# systemctl status nginx
o nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: disabled)
   Active: inactive (dead)
[root@ip-172-31-32-240 ec2-user]# systemctl start nginx
Job for nginx.service failed because the control process exited with error code.
See "systemctl status nginx.service" and "journalctl -xeu nginx.service" for details.
[root@ip-172-31-32-240 ec2-user]# system status nginx
bash: system: command not found
[root@ip-172-31-32-240 ec2-user]# systemctl status nginx
* nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: disabled)
   Active: failed (Result: exit-code) since Tue 2025-12-30 17:05:11 UTC; 39s ago
   Process: 27084 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
   Process: 27085 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
   Process: 27086 ExecStart=/usr/sbin/nginx (code=exited, status=1/FAILURE)
   CPU: 53ms
Dec 30 17:05:09 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Address already in use)
Dec 30 17:05:10 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to :::80 failed (98: Address already in use)
Dec 30 17:05:10 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Address already in use)
Dec 30 17:05:10 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to :::80 failed (98: Address already in use)
Dec 30 17:05:10 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Address already in use)
Dec 30 17:05:10 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] bind() to :::80 failed (98: Address already in use)
Dec 30 17:05:11 ip-172-31-32-240.eu-north-1.compute.internal nginx[27086]: nginx: [emerg] still could not bind()
Dec 30 17:05:11 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: nginx.service: Control process exited, code=exited, status=1/FAILURE
Dec 30 17:05:11 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: nginx.service: Failed with result 'exit-code'.
Dec 30 17:05:11 ip-172-31-32-240.eu-north-1.compute.internal systemd[1]: Failed to start nginx.service - The nginx HTTP and reverse proxy server.
[root@ip-172-31-32-240 ec2-user]# nano index.html
[root@ip-172-31-32-240 ec2-user]# mv index.html /usr/share/nginx/html/index.html
mv: overwrite '/usr/share/nginx/html/index.html'? y
[root@ip-172-31-32-240 ec2-user]#
```

Below the terminal output, the instance details are shown: **i-067aa27ef9ce7adf6 (haran)**, with PublicIPs: [16.171.154.21](#) and PrivateIPs: 172.31.32.240.

The bottom part of the screenshot shows a web browser window displaying the content of the index.html file, which contains the heading **My First Heading** and a paragraph **My first paragraph.**

- Using “`wget –s –content-disposition<copy link>`” command to install on zip file and using “`unzip`” use tap to unzip file.


```
--2025-12-30 17:15:38-- http://  
Resolving - (-)... failed: Name or service not known.  
wget: unable to resolve host address '-'  
--2025-12-30 17:15:38-- http://s/  
Resolving s (s)... failed: Name or service not known.  
wget: unable to resolve host address 's'  
--2025-12-30 17:15:38-- https://templatemo.com/download/templatemo_572_designer  
Resolving templatemo.com (templatemo.com)... 72.52.176.250  
Connecting to templatemo.com (templatemo.com)|72.52.176.250|:443... connected.  
HTTP request sent, awaiting response... 302 Moved Temporarily  
Location: https://templatemo.com/tm-zip-files-2020/templatemo_572_designer.zip [following]  
--2025-12-30 17:15:39-- https://templatemo.com/tm-zip-files-2020/templatemo_572_designer.zip  
Connecting to templatemo.com (templatemo.com)|72.52.176.250|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 3549230 (3.4M) (application/zip)  
Saving to: 'templatemo_572_designer.zip'  
  
templatemo_572_designer.zip 100%[=====>] 3.38M 1.46MB/s in 2.3s  
  
2025-12-30 17:15:41 (1.46 MB/s) - 'templatemo_572_designer.zip' saved [3549230/3549230]  
  
FINISHED --2025-12-30 17:15:41--  
Total wall clock time: 3.7s  
Downloaded: 1 files, 3.4M in 2.3s (1.46 MB/s)  
[root@ip-172-31-32-240 ec2-user]# ls  
templatemo_572_designer.zip  
[root@ip-172-31-32-240 ec2-user]# unzip templatemo_572_designer.zip  
Archive: templatemo_572_designer.zip  
  creating: templatemo_572_designer/  
    inflating: templatemo_572_designer/about.html  
    creating: templatemo_572_designer/assets/  
    creating: templatemo_572_designer/assets/css/  
    inflating: templatemo_572_designer/assets/css/animate.css  
    inflating: templatemo_572_designer/assets/css/flex-slider.css
```

i-067aa27ef9ce7adf6 (haran)
PublicIPs: 16.171.154.21 PrivateIPs: 172.31.32.240

- Using “ls” command to list unzip file “mv * /var/www/html/” command to use move from it.

```
    creating: templatemo_572_designer/assets/webfonts/  
    inflating: templatemo_572_designer/assets/webfonts/fa-brands-400.ttf  
    inflating: templatemo_572_designer/assets/webfonts/fa-brands-400.woff2  
    inflating: templatemo_572_designer/assets/webfonts/fa-regular-400.ttf  
    inflating: templatemo_572_designer/assets/webfonts/fa-regular-400.woff2  
    inflating: templatemo_572_designer/assets/webfonts/fa-solid-900.ttf  
    inflating: templatemo_572_designer/assets/webfonts/fa-solid-900.woff2  
    inflating: templatemo_572_designer/assets/webfonts/fa-v4compatibility.ttf  
    inflating: templatemo_572_designer/assets/webfonts/fa-v4compatibility.woff2  
    inflating: templatemo_572_designer/contact.html  
    inflating: templatemo_572_designer/explore.html  
    inflating: templatemo_572_designer/index.html  
    inflating: templatemo_572_designer/trending.html  
    creating: templatemo_572_designer/vendor/  
    creating: templatemo_572_designer/vendor/bootstrap/  
    creating: templatemo_572_designer/vendor/bootstrap/css/  
    inflating: templatemo_572_designer/vendor/bootstrap/css/bootstrap.min.css  
    creating: templatemo_572_designer/vendor/bootstrap/js/  
    inflating: templatemo_572_designer/vendor/bootstrap/js/bootstrap.min.js  
    creating: templatemo_572_designer/vendor/jquery/  
    inflating: templatemo_572_designer/vendor/jquery/jquery.js  
    inflating: templatemo_572_designer/vendor/jquery/jquery.min.js  
    inflating: templatemo_572_designer/vendor/jquery/jquery.min.map  
    inflating: templatemo_572_designer/vendor/jquery/jquery.slim.js  
    inflating: templatemo_572_designer/vendor/jquery/jquery.slim.min.js  
    inflating: templatemo_572_designer/vendor/jquery/jquery.slim.min.map  
[root@ip-172-31-32-240 ec2-user]# ls  
templatemo_572_designer  templatemo_572_designer.zip  
[root@ip-172-31-32-240 ec2-user]# cd templatemo_572_designer/  
[root@ip-172-31-32-240 templatemo_572_designer]# ls  
about.html  assets  contact.html  explore.html  index.html  trending.html  vendor  
[root@ip-172-31-32-240 templatemo_572_designer]# mv * /var/www/html/  
mv: overwrite '/var/www/html/index.html'? y  
[root@ip-172-31-32-240 templatemo_572_designer]#
```

i-067aa27ef9ce7adf6 (haran)
PublicIPs: 16.171.154.21 PrivateIPs: 172.31.32.240

